April 16, 1940. E. W. STREYLE 2,197,326

BOTTLE RECEPTACLE

Filed April 24, 1939 2 Sheets-Sheet 1

Fig. 1.

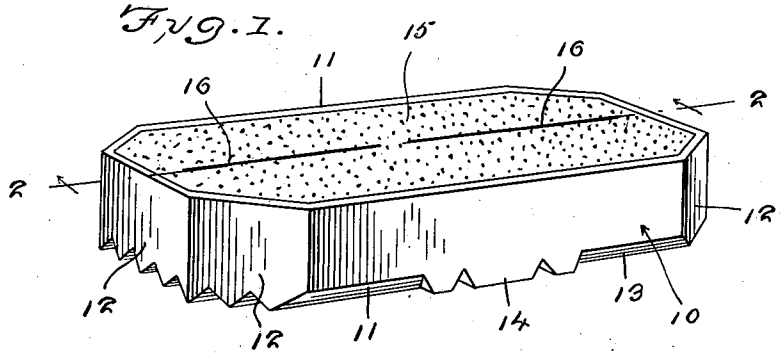


Fig. 2.

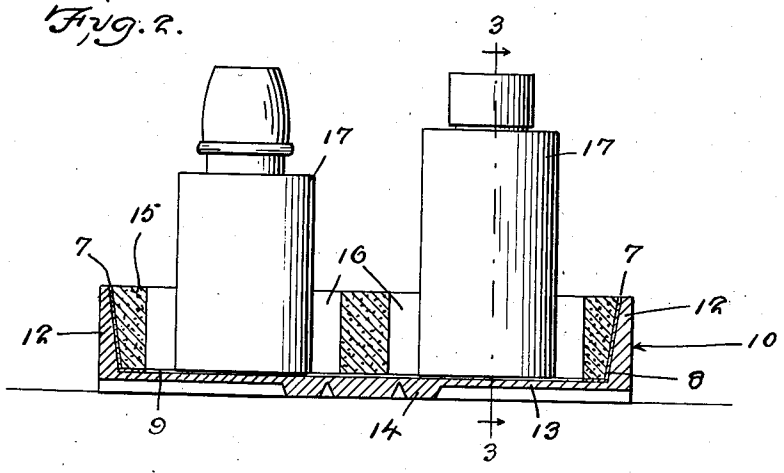
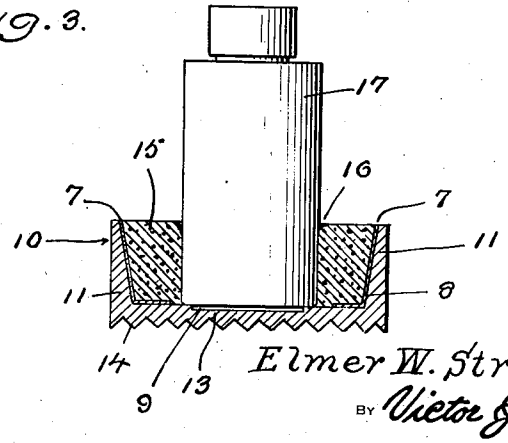


Fig. 3.



Elmer W. Streyle INVENTOR

BY Victor J. Evans & Co.

ATTORNEYS

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Filed April 24, 1939 2 Sheets-Sheet 2

Fig. 4.

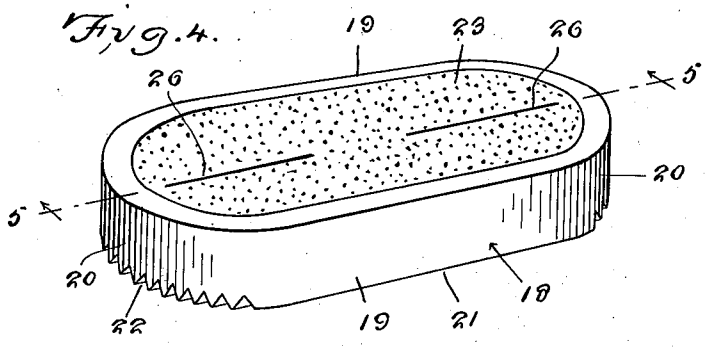


Fig. 5.

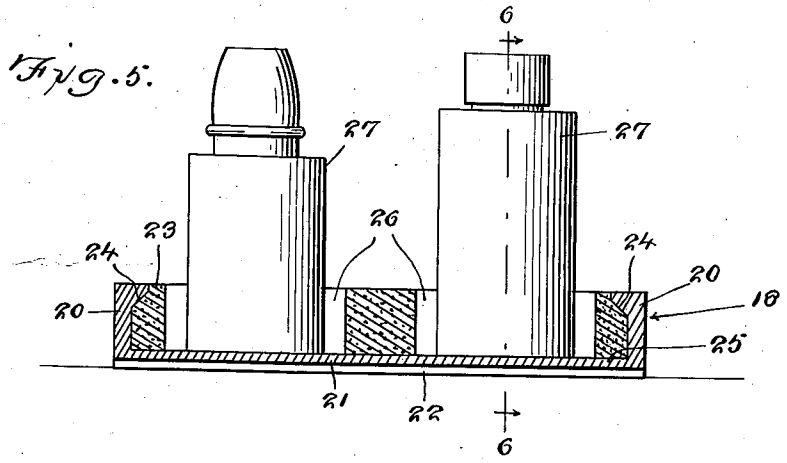
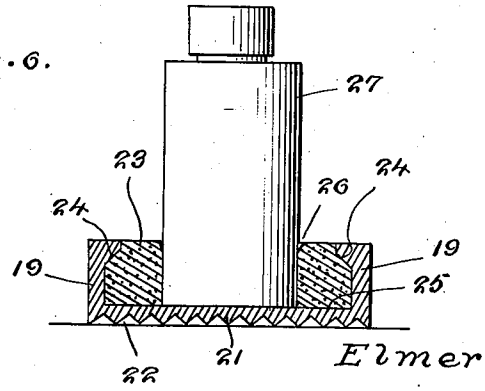


Fig. 6.



Elmer W. Streyle
INVENTOR

BY Victor J. Evans & Co.

ATTORNEYS

Patented Apr. 16, 1940

2,197,326

UNITED STATES PATENT OFFICE

2,197,326

BOTTLE RECEPTACLE

Elmer W. Streyle, Pittsburgh, Pa.

Application April 24, 1939, Serial No. 269,736

4 Claims. (Cl. 211—74)

This invention relates to bottle receptacles and has for an object to provide a bottle receptacle having a self adjusting elastic inner lining provided with slots to receive various shapes and sizes of bottles without danger of the bottles being accidentally dislodged and spilled, or breaking the same.

Another object is to provide a bottle receptacle having a base formed of rubber or metal and having its bottom wall ribbed, nicked or roughened in any suitable manner to provide a gripping or non-slipping surface.

A further object is to provide a device of this character which will be formed of a few strong, simple, and durable parts, which will be inexpensive to manufacture and which will not easily get out of order.

With the above and other objects in view the invention consists of certain novel details of construction and combinations of parts hereinafter fully described and claimed, it being understood that various modifications may be resorted to within the scope of the appended claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawings forming part of this specification:

Figure 1 is a perspective view of the device.

Figure 2 is a longitudinal sectional view taken on the line 2—2 of Figure 1, with bottles applied thereto.

Figure 3 is a cross sectional view of the device taken on the line 3—3 of Figure 2.

Figure 4 is a perspective view of a modified form of the device.

Figure 5 is a longitudinal sectional view taken on the line 5—5 of Figure 4.

Figure 6 is a cross sectional view of the device taken on the line 6—6 of Figure 5.

Referring now to the drawings in which like characters of reference designate similar parts in the various views, 10 designates a substantially oblong receptacle comprising side walls 11 reduced end walls 12, and a bottom wall 13 having its under surface corrugated longitudinally and transversely to provide a roughened surface 14 to prevent the receptacle from slipping. The top face of the bottom of the receptacle 10 is provided with a longitudinal centrally disposed recess 9 which extends from end to end of the receptacle.

A mass of elastic material 15, such as sponge rubber, is adhesively secured as shown by 7 to the top face 8 of the bottom wall 13, side walls 11 and end walls 12 of the receptacle, and is provided with longitudinal aligned slits 16 along the center. The sponge rubber walls of the slits set up a gripping engagement with bottles 17 to hold the same in an upright position and against accidental removal or displacement.

Owing to the fact that the sponge rubber 15 is free at the center above the recess 9 the bottles can easily be inserted in the slits. During such insertion the sponge rubber is forced outwardly against the side walls 11 and end walls 12 of the receptacle, and rebounds against the bottles until the pressure is equal on all sides of the bottles, so that the bottles are held securely within the receptacle.

A modified form of the invention is shown by the Figures 4, 5 and 6, in which 18 designates a substantially oblong receptacle comprising side walls 19 rounded end walls 20 and a bottom wall 21 having its under surface corrugated longitudinally to provide a roughened surface 22 to prevent the receptacle from slipping. The top face of the bottom of the receptacle is smooth.

A mass of elastic material 23, such as sponge rubber, is secured to the top face 25 of the bottom wall 21 by a tapered rim 24 formed on the side wall 19 and end wall 20 of the receptacle, and is provided with longitudinal aligned slits 26 along the center. The sponge rubber walls of the slits set up a gripping engagement with bottles 27 to hold the same in an upright position and against accidental removal or displacement.

Owing to the fact that the sponge rubber 23 is free from the top face 25 of the bottom 21, the bottles can easily be inserted in the slits. During such insertion the sponge rubber is forced outwardly against the side walls 19 and tapered rim 24, and end walls 20 of the receptacle, and rebounds against the bottles until the pressure is equal on all sides of the bottles, so that the bottles are held securely within the receptacle.

From the above description it is thought that the construction and operation of the invention will be fully understood without further explanation.

What is claimed is:

1. A bottle receptacle of substantially oblong shape having side and end walls and a bottom wall, a mass of elastic material within the receptacle, and means securing the material to the side and end walls of the receptacle, the material having a slit therethrough to receive a container, said material being free from the bottom at said slit, to permit the container to be easily inserted into the slit, and during such insertion the material being forced outwardly against the side and end walls of the receptacle

and rebounding against the container until the pressure is equal on all sides of the container for holding the container securely within the receptacle.

2. A bottle receptacle having upright walls and a bottom wall, the top face of the bottom wall being provided with a longitudinal centrally disposed recess which extends from end to end of the receptacle, and a mass of elastic material fixed at portions thereof to said receptacle and being free from the receptacle at said recess, said material being provided with a slit, the walls of which set up a gripping engagement with a bottle which may be disposed in the slit to hold the bottle in an upright position against accidental removal or displacement, the free portion of the material at the center above said recess permitting the bottle being easily inserted in the slit, and during such insertion the material being forced outwardly against the receptacle and rebounding against the bottle until the pressure is equal on all sides of the bottle for holding the bottle securely within the receptacle.

3. A bottle receptacle of substantially oblong shape having side walls, reduced end walls, and a bottom wall, said bottom wall having its under surface corrugated longitudinally and transversely to provide a roughened surface to prevent the receptacle from slipping, the top face of the bottom wall being provided with a longitudinal centrally disposed recess which extends from end to end of said receptacle, and a mass of elastic material adhesively secured to the top face of the bottom wall, to the side walls and to the end walls of the receptacle, said material being provided with longitudinal aligned slits along the center, the walls of which set up a gripping engagement with bottles which may be disposed in the slits to hold the bottles in an upright position against accidental removal or displacement, said material being free at the center above said recess to permit the bottles being easily inserted in the slits, and during such insertion the material being forced outwardly against the side walls and end walls of the receptacle and rebounding against the bottles until the pressure is equal on all sides of the bottles for holding the bottles securely within the receptacle.

4. A bottle receptacle of substantially oblong shape having side and end walls provided at the upper and inner edge with a tapered rim, and a bottom wall, said bottom wall having its under surface corrugated longitudinally to provide a roughened surface to prevent the receptacle from slipping, said bottom wall having a smooth top face and a mass of elastic material secured to the top face of the bottom wall by said tapered rim, said material being provided with longitudinal aligned slits along the center, the walls of said slits setting up a gripping engagement with the bottles which may be disposed in the slits to hold the bottles in an upright position against accidental removal or displacement, said material being free at the center above said smooth top surface of the bottom wall to permit the bottles being easily inserted in the slits, and during such insertion the material being forced outwardly against the side walls, tapered rim, and end walls of the receptacle and rebounding against the bottles until the pressure is equal on all sides of the bottles for holding the bottles securely within the receptacle.

ELMER W. STREYLE.